

ABSTRACT

5 The present invention relates to: recombinant DNA encoding
the *Sbf*I restriction endonuclease as well as the *Sbf*I methylase,
and expression of the *Sbf*I restriction endonuclease and *Sbf*I
methylase in *E. coli* cells containing the recombinant DNA; and
methods for cloning the *Sbf*I restriction gene (*sbf*IR) from
10 *Streptomyces species Bf-61* into *E. coli* by PCR. The method relied
on primers based on DNA sequences predicted from amino acid
sequences of the purified *Sbf*I restriction endonuclease.